# Promises and Futures Overview Exercises

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# Producer-Consumer

- Write a multi-threaded program which uses the producer-consumer model with std::promise and std::future

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# Exceptions

- Normally, an exception handler which rethrows an exception will use either a copy of the original exception, or a reference to it
- Why does this not work with std::promise?

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# Producer-Consumer with Exception

- Write a multi-threaded program which uses the producer-consumer model with std::promise and std::future
- The producer thread of this program throws an exception which is handled in the consumer thread
- Check that your program runs correctly

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